

WASHINGTON STATE DEPT OF  
**NATURAL  
RESOURCES**  
WASHINGTON  
GEOLOGICAL SURVEY

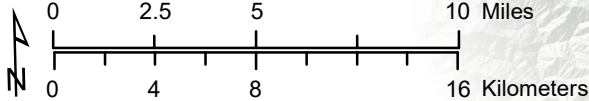
WAHKIAKUM CO. COWLITZ CO.

-123°

**Probability of Earthquake-Induced Landslides  
or Liquefaction Lateral Spreading  
Cascadia Subduction Zone Magnitude 9.0 Earthquake  
Wet (Saturated) Soil Scenario**

**Probability of Permanent Ground Deformation**

- None
- Low (1%–5%)
- Moderate (6%–15%)
- High (16%–30%)



**Source Data:**  
Hydrography: National Hydrography Dataset, 2018  
Ground deformation from earthquake-induced landslide and  
liquefaction lateral spreading in Washington, Multnomah Counties:  
Bauer and others, 2018  
**Projection:** Lambert Conformal Conic, EPSG 2913.

